

Notice of Allowability

Application No.

10/608,046

Examiner

James L. Habermehl

Applicant(s)

DING ET AL.

Art Unit

2651

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 27 Jun 05.
2. ☒ The allowed claim(s) is/are 1-27, renumbered 1-4, 6-9, 5, 10-12, 14, 13, and 15-27 respectively.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date <u>27 Jun 03</u> | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

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1. This Office Action is in response to amendment filed 27 June 2005, which papers have been placed of record in the file.

2. Claims 1-27 are allowed over the prior art of record. The following is an examiner's statement of reasons for allowance:

Claim 1 is allowable over the prior art of record since the cited references taken individually or in combination fails to particularly disclose a method of compensating a pre-defined seek profile comprising performing one or more seek operations at each of a plurality of initial data storage device operating temperatures, and obtaining a seek profile compensation value for each of the plurality of initial data storage device operating temperatures sufficient to maintain the temperature below the threshold, as described in Figures 3-4 and pp. 7-9 and presented in the environment of claim 1. It is noted that the closest prior art, Messenger et al., shows seek profile temperature compensation similar to the claimed invention. However, Messenger et al. fails to disclose compensating a pre-defined seek profile comprising performing one or more seek operations at each of a plurality of initial data storage device operating temperatures, and obtaining a seek profile compensation value for each of the plurality of initial data storage device operating temperatures sufficient to maintain the temperature below the threshold as described in Figures 3-4 and pp. 7-9 and claimed.

Claim 15 is allowable over the prior art of record since the cited references taken individually or in combination fails to particularly disclose a method of performing a seek operation comprising determining seek profile compensation information corresponding to a plurality of initial data storage device operating temperatures sufficient to maintain the data

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storage device operating temperature below an operating temperature threshold, as described in Figures 3-4 and pp. 7-9 and presented in the environment of claim 15. It is noted that the closest prior art, Messenger et al., shows seek profile temperature compensation similar to the claimed invention. However, Messenger et al. fails to disclose determining seek profile compensation information corresponding to a plurality of initial data storage device operating temperatures sufficient to maintain the data storage device operating temperature below an operating temperature threshold as described in Figures 3-4 and pp. 7-9 and claimed.

Claim 19 is allowable over the prior art of record since the cited references taken individually or in combination fails to particularly disclose a means for compensating a pre-determined seek profile based on a current operating temperature, as described in Figure 7 and specification pp. 8-11 and presented in the environment of claim 19. It is noted that the closest prior art, Messenger et al., shows seek profile temperature compensation similar to the claimed invention. However, Messenger et al. fails to disclose means for compensating a pre-determined seek profile based on a current operating temperature as described in Figure 7 and specification pp. 8-11 and as claimed.

Claim 22 is allowable over the prior art of record since the cited references taken individually or in combination fails to particularly disclose a device comprising a controller that determines a seek profile compensation value for each of a plurality of initial data storage device operating temperatures sufficient to maintain the data storage device operating temperature below the operating temperature threshold, as described in Figures 3-4 and pp. 7-9 and presented in the environment of claim 22. It is noted that the closest prior art, Messenger et al., shows seek profile temperature compensation similar to the claimed invention. However, Messenger et al.

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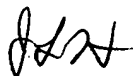
fails to disclose a controller that determines a seek profile compensation value for each of a plurality of initial data storage device operating temperatures sufficient to maintain the data storage device operating temperature below the operating temperature threshold as described in Figures 3-4 and pp. 7-9 and claimed.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


Any inquiry concerning this communication or earlier communications from the examiner should be directed to James L. Habermehl whose telephone number is (571)272-7556. The examiner can normally be reached on 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Hudspeth can be reached on (571)272-7843. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Habermehl/jlh
2 Sep 05



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SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600